

ZHVIRIO, I.S.

Construction of a sugar factory in the Bashkiria A.S.S.R. Sakh.  
prom. 33 no.11:70-71 N '59 (MIHA 13:3)  
(Meleuz--Sugar industry)

ZHIVKO, I.S.; STUDENETSKIY, V.A.

First Congress of the Scientific and Technical Society of the  
Food Industry. Sakh. prom. 33 no.8:77-78 Ag '59.

(MIRA 12:11)

(Food industry--Congresses)

BORKOVSKIY, M.A.; VOSTOKOV, A.I.; ZHIVIRKO, I.S.; LEFESHKIN, I.P.;  
NEL'NIK, M.K.; MITROFANOV, V.P.; RODKEVICH, A.V.; SILIN,  
P.I. [deceased]; YAKUBOVSKIY, V.V.; YEREMENKO, B.A.,  
retsensent; MAR'YANCHIK, V.L., retsensent; MAKSIMOV, A.I.,  
retsensent; FRITYKINA, L.A., red.

[Handbook for the sugar manufacturer] Spravochnik sakhar-  
nika. Moskva, Pishchevaia promyshlennost'. Pt.2. 1965.  
178 p. (MIRA 18:9)

PARSHIKOV, M. Ya.; MAKHINYA, M. M.; SILIN, P. M.; YAPASKURT, V. V.; YEPISHIN, A. S;  
SHAKIN, N. N.; ZHIDKOV, A. A.; KHELEMSKIY, M. Z.; KARTASHOV, A. K.; BERNIN, G. S.  
LEPESHKIN, I. P.; KRASNYYUK, G. M.; ZHVIRKO, I. S.; ZELIKMAN, I. P.; KHEYZE, N. V.

Birthday of P. V. Golovin. Sakh. prom. 29 no. 5:7 '55. (MLRA 8:11)  
(Golovin, Pavel Vasil'evich, 1880-)

YUTSIS, A.P. [Jucys, A.]; VIZBARAYTE, Ya.I. [Vizbaraitis, J.];  
ZHVIRONAYTE, S.A. [Zvironaitis, S.]

Calculation of matrix elements of the energy operator in  
the case when one electron is outside the unfilled shell.  
Liet ak darbai B no.4:59-72 '61.

1. Institut fiziki i matematiki AN Litovskoy SSR i  
Vil'nyusskiy gosudarstvennyy universitet im. V. Kapsukas.

ZHVIRONAYTE, S.A. [Zvironaite, S.]; VIZBARAYTE, Ya.I. [Vizbaraite, J.]  
YUTSIS, A.P. [Jucys, A.], akademik

Calculation of matrix elements of the energy operator in the  
case of one electron outside the quasi-closed shell. Trudy  
AN Lit. SSR. Ser. B no.1:3-15 '62 (MIRA 17:8)

1. Institut fiziki i matematiki AN Litovskoy SSR i Vil'nyusskiy  
gosudarstvennyy universitet im. V.Kapsukasa. 2. Zamestitel'  
glavnogo redaktora zhurnala "Trudy AN Litovskoy SSR; seriya "B"  
(for Yatsis).

S/081/61/000/021/005/094  
B102/B138

AUTHORS: Zhvironayte, S. A., Vizbarayte, Ya. I., Yutsis, A. P.

TITLE: Two-electron matrix elements of the energy operator in the case of Ls-coupling

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 12, abstract 21B85 (Tr. AN LitSSR, B, v. 1(24), 1961, 49 - 64)

TEXT: A mathematical procedure is shown, for the calculation of two-electron systems in the case of Ls-coupling. The coefficients of the radial integrals in the expressions of the matrix elements of the energy operator are given numerically for spin-orbital as well as for electrostatic interactions for s1, pp, pd, pf, pg, dd, df and dg configurations. [Abstracter's note: Complete translation.]

Card 1/1

L 18020-63

BDS

ACCESSION NR: AT3002103

S/2910/61/001/01-/0033/0037

AUTHORS: Zhvironayte, S. A.; Vizbarayte, Ya. I.; Jucys, A. T.

TITLE: Contribution to the problem of types of vector coupling in a  $p^2l$  configuration

SOURCE: AN Lit SSR. Litovskiy fizicheskiy sbornik, v.1, no.1-2, 1961, 33-37

TOPIC TAGS: vector coupling, configuration  $p^2l$ , matrix elements, energy operator, spin-orbit interaction, electrostatic interaction, O, N, oxygen energy level, nitrogen energy level

ABSTRACT: This theoretical paper is a further development of a paper by the same authors in Akad. nauk LitSSR, Trudy, B, v. 2(23), 1961, 53, in which an examination of the problem of the types of vector coupling for a configuration  $bl$  permitted them to make certain conclusions on the regularities prevailing in the change of type of coupling following an increase in the degree of excitation. The present paper develops expressions for the diagonal and nondiagonal matrix elements of the energy operator of the spin-orbit interaction in the case of LS coupling and for the diagonal matrix elements of the energy operator of electrostatic and spin-orbit interaction in the case of  $LS_0$  and  $J_0^1$  coupling. The question of just what types of vector coupling prevail in specific examples is

Cord 1/2



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ACCESSION NR: AT3002103

examined in the case of O II and N I atoms with reference to the configuration  $1s^2 2s^2 2p^2 4f$ . The arrangement of the energy levels is compared for the experimental and for the  $LS_0$  and the  $J_0 1$  theoretical cases. A comparison of the experimental and theoretical data in the case of O II permits the conclusion that the  $LS_0$  and  $J_0 1$  couplings are equally suitable in the  $2p^2 4f$  configuration. In the transition to N I the LS coupling is not suitable. It is possible that with the decrease in Z the transition to nonhomogeneous coupling occurs at lower degrees of excitation. Orig. art. has 4 formulas and 2 figures.

ASSOCIATION: Institut fiziki i matematiki Akademii nauk Litovskoy SSR (Institute of physics and mathematics, Academy of Sciences, LithSSR)

SUBMITTED: 16May61      DATE ACQ: 23Apr63      ENCL: 00

SUB CODE: PH, MM, EL      NO REF SOV: 005      OTHER: 003

Card 2/2

S/236/62/000/001/001/007  
D234/D308

AUTHORS: Zhvironaytc, S.A., Vizbaraytc, Ya.I. and Yutsis, A.P.

TITLE: Calculation of matrix elements of the energy operator in the case of a single electron outside a partially filled shell

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B, no. 1(28), 1962, 3-15

TEXT: The authors refer to their previous paper (Trudy AN Litovskoy SSR, B 4(27), 59, 1961) where general expressions were derived for the matrix element of a single electron outside a shell. If the shell is almost completely filled, these expressions can be simplified by making use of the properties of the operators of complementary shells (the configuration  $l^{4l+2-N}$  and  $l^N$ ). The operator of electrostatic interaction energy is discussed and general expressions are obtained for the coefficients of radial integrals of electrostatic interaction of exchange type, for the four kinds of coupling LS,  $J_{01}$ ,  $LS_0$  and  $J_{0j}$ . These coefficients are computed for a

Card 1/2

Calculation of matrix elements ...

S/236/62/000/001/001/007  
D234/D300

$p^4_1$  configuration with  $LS_0$  coupling. Energy levels of Ne II in the  $1s^2s^2p^4f$  configuration, computed by the authors for  $J_01$  and  $LS_0$  coupling, are compared in a diagram with the experimental levels. It is concluded that the  $J_01$  coupling can be used for classification of the levels, while the  $LS_0$  coupling is useless. There are 1 figure and 1 table. ✓

ASSOCIATION: Institut fiziki i matematiki Akademii nauk Litovskoy SSR (Institute of Physics and Mathematics, AS Lith-SSR), Vil'nyusskiy gosudarstvennyy universitet im. V. Kapsukas (Vilna State University im. V. Kapsukas)

SUBMITTED: July 6, 1961

Card 2/2

S/058/62/000/007/005/068  
A061/A101

AUTHORS: Yutsis, A. P., Vizbarayte, Ya. I., Zhvironayte, S. A.

TITLE: Calculating the matrix elements of the energy operator in the case of one electron outside of an unfilled shell and for different types of coupling

PERIODICAL: Referativnyy zhurnal, Fizika, no. 7, 1962, 18, abstract 7A173 ("Tr. AN LitSSR", 1961, v. B, 4 (27), 59 - 72; Lith. summary)

TEXT: It is assumed that L-S coupling takes place in an unfilled shell, and that the resulting moments of this shell add vectorially to the moments of the outer electron in different types of coupling. The wave function is expressed by a linear combination of functions of the coupled moments. Expressions are given for the transformation matrices allowing for both the transition from the L-S coupling to other types and the coordinates interchange. Formulas are obtained for the matrix elements of electrostatic and spin-orbital interaction operators in different types of coupling.

[Abstracter's note: Complete translation]

Card 1/1

ACCESSION NR: AT4041507

S/2910/63/003/01-/0155/0158

AUTHOR: Zhvironayte, S. A., Vizbarayte, Ya. I., Karosene, A. V., Savukinas, A. Yu.

TITLE: The problem of the classification of the energy spectrum of atoms in the  $2p \sup N$   $nl$  configuration

SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik, v. 3, no. 1-2, 1963, 155-158

TOPIC TAGS: energy spectrum,  
electron shell

energy spectrum classification,

ABSTRACT: The structure of the energy spectrum of the  $2p^N nl$  configuration for various degrees of shell filling and various levels of excitation of the outer electron is fully explored in the existing literature. In the present paper, the authors review some of the results of these theoretical investigations of the energy spectrum of N, O, F and Ne. When the excitation of the outer electron is increased, the LS-bond becomes invalid and the  $LS_0$ -bond and  $J_0l$ -bond appear instead (sequential structure bonds). These bonds appear at lower excitation levels when the number of electrons in the closed shell is large. For atoms with the same ionization level, the sequential structure bonds appear at lower excitation levels of the outer electron in the atom with lower N (or Z). When two atoms have

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ACCESSION NR: AT4041507

the same Z, the sequential structure bonds appear at low levels of outer electron excitation when N is large (ionization level small). When two atoms have the same number of electrons in the partially filled shell, the sequential structure bonds appear at low levels of outer electron excitation when the nucleus charge is small. Orig. art. has: 1 table.

ASSOCIATION: Institut fiziki i matematiki Akademii nauk Litovskoy SSR (Institute of Physics and Mathematics, Academy of Sciences, Lithuanian SSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NO REF SOV: 008

OTHER: 003

2/2

Card

24.6300

S/058/62/000/006/019/136  
A061/A101

AUTHORS: Yutsis, A. P., ~~Dagis, R. S.~~ Vizbarayte, Ya. I., Zhvironayte, S. A.

TITLE: A more accurate definition of expressions for the matrix elements of spin-interaction operators

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 1, abstract 6V2  
("Tr. AN LitSSR", 1961, v. B3(26), 53 - 66, Lith. summary)

TEXT: Expressions have been obtained for radial integrals indicating the energy of spin-spin (magnetic) interaction of electrons in the atom. The characteristics of these integrals are established, and the inaccuracy of expressions for two-electron matrix elements of spin interaction, obtained earlier (Marvin, H. H. "Phys. Rev.", 1947, v. 71, 102; RZhFiz, 1960, no. 9, 22881) is pointed out. Tables compiled with appropriate calculations convey the corrections to be introduced in the papers mentioned above. ✓C

[Abstracter's note: Complete translation]

Card 1/1

ZHVIROMAYTE, S.V. [Zvironaite, S.]; DAGIS, R.S. [Dagys, R.]

Matrix elements of the energy operator of spin-orbital interaction  
in case of d-electrons. Liet ak darbai B no.3:3-13 '60. (EEAI 10:3)

1. Institut fiziki i matematiki Akademii nauk Litovskoy SSR i  
Vilnyusskiy gosudarstvennyy universitet im. V.Kapsukasa  
(Matrices) (Electrons)



L 26593-66 EWT(1)

ACC NR: AR6011413

SOURCE CODE: UR/0021/65/000/003/0286/0291

AUTHOR: Naumov, A. L.; Zhygots'ka, N. I. — Zhigotskaya, N. I.

ORG: Kiev State University (Kyivskyy derzhavnyy universytet)

TITLE: Approximate method of determining forced oscillations described by certain nonlinear differential equations.

SOURCE: AN UkrSSR. Dopovidi, no. 3, 1966, 286-291

TOPIC TAGS: nonlinear differential equation, oscillation, approximate solution, harmonic oscillation

ABSTRACT: This is a continuation of earlier work by the authors (Izv. vyssh. uch. zaved. elektromekhanika No. 1, 3, 1965), where an approximate method was developed for obtaining nonlinear differential equations (or systems of linear differential equations with nonlinear coefficients) describing forced oscillations. The present article is devoted to an analysis of the solutions obtained there with an aim at determining the accuracy of the equation. The particular differential equation analyzed is

$$L \frac{d^2 q}{dt^2} + r \frac{dq}{dt} + \frac{q}{C} + \beta f(q, \dot{q}) = u, \quad (1)$$

where  $r$ ,  $L$ , and  $C$  are constant coefficients,  $u$  a specified sinusoidal function of the time ( $u = U_m \sin(\omega t) + \alpha$ ), and  $f$  is a power function of  $q$  and  $\dot{q}$ , and possibly of higher

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L 26593-66

ACC NR: AF60.1413

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order derivatives;  $\beta$  is a small parameter. It is proved that by adding to the sinusoidal solution  $q = q_m \sin(\omega t)$  a higher harmonic, it is possible to choose the amplitude of this harmonic in such a way that a harmonic of the same order occurs in the expansion of the specified function of the time. At this amplitude all the higher harmonics vanish with accuracy  $\beta^2$ . The limits of applicability of this method are discussed. This report was presented by Academician of AN USSR Yu. G. Mytropo-  
pol's'kiy (Yu. A. Mitropol'skiy). Orig. art. has: 15 formulas.

SUB CODE: 11.20/ SUBM DATE: 29Apr65/ ORIG REF: 002

Card 2/2 B-G

1. ZHYHAYLO, YA. V.; POLYAKOV, M. V.
2. USSR 600
4. Nitric Oxide
7. Mechanism of the fixation of nitrogen during explosive combustion, Dop. AN USSR, No. 2, 1951
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

L 01501-66 EWT(d)/EWT(m)/EWP(c)/EWP(v)/EWP(j)/T/EWP(k)/EWP(l)/ETC(m)  
DIAAP WW/RM

ACCESSION NR: AP5014737

UR/0201/65/000/001/0044/0051

AUTHOR: Zhykharaw, Ye. A. (deceased) 65, 44

TITLE: Use of radioactive isotopes in the industry of BSSR 30  
27  
B

SOURCE: AN BSSR. Izvestiya. Seriya fiziko-tekhnicheskikh nauk, 19, 56  
no. 1, 1965, 44-51

TOPIC TAGS: radioactive isotope, tracer study, quality control

ABSTRACT: The author reports that since the first use of radioactive isotopes in the industry of BSSR in 1959, more than 350 radioisotope installations of various types have been installed, and the estimated economic gain from their use exceeds 750,000 rubles annually. Radioisotopes are used to greatest effect in the regulation of drying machinery, for which several control systems were developed in the laboratory for the use of isotopes and nuclear radiation of the Institute of Heat and Mass Exchange AN BSSR and

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L 01501-66

ACCESSION NR: AP5014737

tested in the textile and structural-material industries. By way of examples, the block diagram for the control of drying machinery for fibers and the control of a grinding wheel in automatic grinding machines, the control of the dimensions of the shaft during the grinding process, and remote batching of aggressive, toxic, and explosive media with a radioisotope flow meter are described. Systems are under development also for radioisotope methods for sampling control of the thickness of the coating film on leather. In all cases the control accuracy was deemed satisfactory. Orig. art. has: 4 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NR REF SOV: 000

OTHER: 000

Card 2/2 *LP*

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2"

ZHYLIN, A.P., kandydat tekhnichnykh nauk

General mechanization in winning peat for fertilizer. Vestsi  
AN BSSR no.4:51-69 J1-Ag '54. (MIRA 8:9)  
(Peat industry)

ZHYLKIBAYEV, K.Zh.

Fossil remains of elephants from the collections of the Institute of  
Zoology of the Academy of Sciences of the Kazakh S.S.R. Mat. po ist.  
fauny iflory Kazakh. 4:66-76 '63. (MIRA 16:9)  
(Kazakhstan--Elephants, Fossil)



ZHYLYAKOVA, A.V. (Saratov)

State of the cardiovascular system in acute diffuse nephritis  
in children. Kaz. med. zhur. no.5:83 8-0'63 (MIRA 16:12)

USSR/Human and Animal Physiology. Neuro-Muscular Physiology.

T

Abs Jour: Ref Zhur-Biol , No 8, 1953, 36781.

Author : Zhynkov, E.K.

Inst

Title : On the Problem of the Development of the Phasic and Tonic Apparatus in Philogenesis.

Orig Pub: Uch. Zap. LGU, 1957, No 222, 86-93.

Abstract: The specialized phasic and tonic apparatus should not be considered as a phylogenetically recent or old step in evolution, but as an extremely adaptive development of the contractile structure along the line of its activity in a unit.

Card : 1/1

DUBININ, M.M., akademik, otvetstvennyy redaktor; GAPON, Ye.N.; GAPON, T.B.;  
 KHYPAKHINA, Ye.S.; RACHINSKIY, V.V.; BELEN'KAYA, I.M.; SHUVAEVA, G.M.;  
 ROGINSKIY, S.A.; YANOVSKIY, N.I.; FUKS, N.A.; KISELEV, A.V.; NITYMARK, I.Ye.;  
 SLINYAKOVA, I.B.; KHATSEY, P.I.; LOSHY, I.P.; TROSTYANSKAYA, Ye.B.;  
 TEVLINA, A.S.; DAVANKOV, A.B.; SALDADEN, K.M.; BRUMBERG, Ye.M.; ZHIDKOVA,  
 Z.V.; VEDENEVA, N.Ye.; NAFOL'SKIY, S.A.; MIKHAYLOVA, Ye.A.; KAZANSKIY, B.A.;  
 RYABCHIKOV, D.I.; SHERYAKIN, F.M.; KHETOVICH, V.L.; BUNDEL', A.A.; SAVINOV,  
 B.G.; VENDT, V.P.; EPSHTEYN, Ya.A.

[Research in the field of chromatography transactions of the All-Union  
 Conference on Chromatography, November 21-24, 1950] Issledovaniya v oblasti  
 khromatografii; trudy Vsesoiuznogo soveshchaniya po khromatografii, 21-24  
 noiabria 1950 g. Moskva, Izd-vo Akademii nauk SSSR, 1952. 225 p.  
 (MLRA 6:5)

1. Akademiya nauk SSSR. Otdelenie khimicheskikh nauk.  
 (Chromatographic analysis)

*Zhyrmunski, A.M.*  
ZHYRMUNSKI, A.M.

History of the development of new relief in the western part  
of the central Russian Platform during the Quaternary (Anthropozoic)  
period. Vestsi AN BSSR. Ser. fiz.-tskh. nav. no.2:97-108 '57.

(MIRA 11:1)  
(Russian Platform--Geology, Structural)

ZHYRMUNSKI, A.M.

Academician V.A. Obruchev's pulsation hypothesis in geotectonics and its application to a geotectonic analysis of the White Russian S.S.R. and neighboring provinces. Vestsi AN BSSR.Ser.fiz.-tekh.nav. no.3:85-95 '56. (MLRA 10:1)

1. Chlen-korespondent Akademii nauk BSSR,  
(White Russia--Geology, Structural)

L 29247-66 ENT(d)/EMP(1) IJP(c) BC  
 ACC NR: AP019310 SOURCE CODE: UR/0102/65/000/003/0019/0026

AUTHOR: Zhitets'kiy, L. S.--Zhitetskiy, L. S. (Kiev); Skurykhin, V. I.--  
 Skurikhin, V. I. (Kiev) 38  
 B

ORG: none

TITLE: Some problems of the dynamics of combined servomechanisms of machines with  
 program control

SOURCE: Avtomatyka, no. 3, 1965, 19-26

TOPIC TAGS: servomechanism, digital system

ABSTRACT: Transient responses in combined servomechanisms designed for machines with digital program control are considered. These responses occur at the moment of passing of conjugate points of the interpolated section of a trajectory as a result of the impossibility of organizing infinitely large control signals required to satisfy the invariance conditions. Analytical dependences are established which couple the maximum dynamic error with servo drive parameters, the geometry of the loop, and the kinematics of motion. It is also possible to consider first all aspects of the control process (technical requirements of reproduction quality, geometry of the loop, dynamics of the actuating mechanism) on a universal computer which prepares the program for machine lathes with program control. Orig. art. has: 4 figures and 19 formulas. [JPRS]

SUB CODE: 05 / SUBM DATE: 25Jul64 / ORIG REF: 007

Card 1/1 CC

ZHYUGZHA, A.I., kandidat meditsinskikh nauk (Kaunas)

Diagnosis and etiologic classification of myocardial dystrophy.  
Terap.arkh. 27 no.1:86-87 '55.

(MLRA 8:7)

(MYOCARDIUM, diseases,  
dystrophy, diag., etiol. & classif.)

ZHYUGZEDA, A.I. [Ziugada, A.I.], doktor med.nauk

Problems of rheumatic fever at the Sixth Conference of Thera-  
peutists of the Lithuanian S.S.R. Vop.revm. 2 no.3:85-86 JI-S  
'62. (MIRA 16:2)

(RHEUMATIC FEVER--CONGRESS)



A.I.

ZHYUGZHDA, A.Yu. [Žiugžda, A.J.] (Kaunas)

Effectiveness of treating chronic anacid gastritis at Birštonas.  
Vop.kur.fizioter. i lech.fiz.kul't. 23 no.2:119-122 Hr-Ap '58.

(STOMACH--DISEASES)

(HIRA 11:6)

(BIRSTONAS--HYDROTHERAPY)

ZHYUGZHDA, ALFREDAS LOZAS

ZHYUGZHDA, A. I., Doc Med Sci (diss) -- "Therapeutic work at the Birsahtoras spa, and the outlook for its further development". Kaunas, 1959. 90 pp (Min Health Lithuanian SSR, Kaunas State Med Inst), 150 copies (KL, No 25, 1959, 138)

ZHYU(ZHDA, I.I. [Ziugzda, J.]; ZHUKAUSKAS, A.A. [Zukauskas, A.]

Investigation of the heat emission from a plate in a viscous flow with a laminar boundary layer. Liet ak darbai B no.4: 189-196 '61.

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR.

ACCESSION NR: AP4038656

S/0170/64/000/004/0003/0007

AUTHOR: Zhukauskas, A. A.; Ambrazyavichyus, A. B.; Zhyugzhda, I. I.

TITLE: Effect of the nonisothermality of a surface on the heat exchange of a plate in longitudinal flow

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 4, 1964, 3-7

TOPIC TAGS: Surface nonisothermality, heat exchange, longitudinal flow, laminar boundary layer, turbulent boundary layer, laminar flow, turbulent flow, heat transfer

ABSTRACT: The heat exchange between a nonisothermal plate and a flow of air, water, and transformer oil with a laminar and turbulent boundary was studied experimentally in the range of Re, numbers ranging from 10 to  $3 \times 10^7$ . Criterial equations were derived for calculating the heat exchange between a plate and a laminar and turbulent boundary layer. It was found that in the case of a laminar boundary layer, the initial unheated segment of the plate has a substantial effect on the heat transfer. The nonisothermality of the surface has an appreciable effect on the rate of the heat exchange. Orig. art. has: 3 figures, 7 formulas, and 2 tables.

Card 1/2

*Heat Power & Elec. Engr. AN LIT SSR*

ZHUKAUSKAS, A. A.; ZHYUGZHDA, I. I.

"Experimental investigation of heat transfer and hydrodynamic resistance in the entry of a plane channel with laminar flow of viscous fluid."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Inst Power & Electrical Engineering, AS LitSSR.

MAKARYAVICHYUS, V.I. [Makarevicius, V.]; ZHIVUGZHDA, L.I. [Zivugzda, J.];  
ZHUKAUSKAS, A.A. [Zukauskas, A.]

Calculating the heat transfer from and to curved surfaces in the  
case of a laminar boundary layer. Trudy AN Lit. SSR Ser. B no.3:  
191-202 '62. (MIRA 18:3)

1. Institut energetiki i elektrotehniki AN Litovskoy SSR.

ZHYUGZHDA, I.I. [Ziugzda, J.]; ZHUKAUSKAS, A.A. [Zukauskas, A.]

Experimental study of local heat transfer from a nonisothermal plate involving a laminar boundary layer. Trudy AN Lit. SSR Ser. B no.4:117-127 '62.

Effect of an unheated entrance region on the heat transfer from a plate involving a laminar boundary layer in a liquid flow. Ibid.:129-136

(MIRA 18:3)

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR.

MATYUKAS, A.A. [Matiukas, A.]; ZHUGZDA, I.I. [Ziugzda, J.]; MAKARAVICHYUS,  
V.I. [Makarevicius, V.]; ZHUKAUSKAS, A.A. [Zukauskas, A.]

Using semiconductor thermistors for measuring viscous fluid flow  
speed. Trudy AN Lit. SSR Ser. B no.3:87-90 '63.

(MIRA 18:3)

1. Institut energetiki i elektrotehniki AN Litovskoy SSR.



MAKARYAVICHYUS, V.I. [Makarevicius, V.]; ZHYUGZHD, I.I. [Zugzda, J.];  
AMBRAZYAVICHYUS, A.B. [Ambrasevicius, A.]; EIDUKYAVICHYUS, P.I.  
[Eidukevicius, P.]; ZHUKAUSKAS, A.A. [Zukauskas, A.]

Speed distribution in the isothermal boundary layer on a plate.  
Trudy AN Lit. SSR Ser. B no.3:91-97 '63.

(MIRA 18:3)

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR.

ZHYUGZHDA, I.I. [Zigzda, I.]; MAKARYAVICHYUS, V.I. [Makarevicius, V.];  
SHLANCHYASKAS, A.A. [Slanciauskas, A.]; AMBRAZYAVICHYUS, A.B.  
[Ambrazevicius, A.]; EYDUKYAVICHYUS, P.I. [Eidukevicius, P.];  
ZHUKAUSKAS, A.A. [Zukauskas, A.]

Speed and temperature distribution in the turbulent boundary  
layer on a plate. Trudy AN Lit. SSR Ser. B no.3:99-105 '63.

(MIRA 18:3)

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR.

ZHYUGZHDA, I.I. [Ziugzda, J.]; ZHUKAUSKAS, A.A. [Zukauskas, A.]

Experimental study of local heat transfer in the entrance section between parallel plates. Trudy AN Lit. SSSR. Ser. B no. 1:117-124 '63.  
(MIRA 17:5)

1. Institut energetiki i elektrotehniki AN Litovskoy SSR.

ZHUKAUSKAS, A.A. [Zukauskas, A.]; AMBRAZYAVICHYUS, A.B. [Ambrazevicius, A.];  
ZHYUGZHDA, I.I. [Ziugzda, I.]

Effect of the nonisothermality of a surface on heat transfer  
from a plate in a longitudinal flow. Inzh.-fiz. zhur. 7  
no.4:3-7 Ap '64.

(MIRA 17:4)

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR, Kaunas.

10.3400

26.5200

28911

S/170/61/004/011/012/020  
B108/B138

AUTHORS: Zhukauskas, A. A., Zhyugzhda, I. I.

TITLE: Experimental study of heat transfer from a longitudinally streamlined plate in a laminar boundary layer

PERIODICAL: Inzhenerno-fizicheskly zhurnal, v. 4, no. 11, 1961, 105 - 108

TEXT: Flow criteria obtained by M. A. Mikheyev (Sb. "Konvektivnyy i luchisty teploobmen". Izd. AN SSSR, M., 1960) and other authors have so far not found any experimental proof for a wide range of Prandtl's number. Specifically, this refers to viscous liquids. For this reason, the authors carried out experiments in this field. They used two closed circuits, the one conveying water and air, the other transformer oil. A detailed description of this arrangement is given in a paper by A. B. Ambrazyavichyus and A. A. Zhukauskas (Trudy AN LitSSR, B. 4(16), 172, 1958). Two nickel-silicon plates (10.25 by 40 by 0.65 and 50.25 by 40 by 0.65 mm), with front edges rounded off, were used as test objects. Temperature on the upper and lower walls of the plates was measured by means of two copper-constantan thermocouples. The temperature field of the plates was kept

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Experimental study of heat transfer ...

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uniform. Heat losses at the ends were checked. The plates were heated by direct current. It was found that the velocity field, as determined by means of a thermistor probe, failed to be uniform only in the trans-former oil at temperatures between 10 and 30°C and low flow velocities  $w < 0.2$  m/sec. The temperature of the liquid was varied from 10.5 to 60°C, and that of the plate wall from 30 to 103°C, flow velocity ranged from 0.02 to 2.0 m/sec, the Prandtl's number from 0.7 to 580, and the Reynolds number from 1 to  $3.3 \cdot 10^4$ . A flow criterion of the type  $Nu = f(Re^m, Pr^n)$  was to be determined. The authors finally found  $Nu_f = 0.70 Re_f^{0.5} Pr_f^{0.36} [Pr_f/Pr_w]^{0.25}$  where the subscripts f and w refer to the temperatures in the flow and in the wall, respectively. This formula renders the true processes very well. There are 2 figures and 11 references: 6 Soviet and 5 non-Soviet. The three most recent references to English-language publications read as follows: Hara T. Trans. Japan Soc. Mech. Engrs., 20, no. 92, 1954; Ede A. J. and Saunders O. A. Proc. Inst. Mech. Engrs., 172, 26, 1958; Wan der Hegge Zijnen. App. Sci. Res., A, 6, 2-3, 1956.

Card 2/3

44

Experimental study of heat transfer ...

28911  
S/170/61/004/011/012/020  
B108/B138

ASSOCIATION: Institut energetiki i elektrotekhniki AN Litovskoy SSR, g.  
Kaunas (Institute of Power Engineering and Electrical  
Engineering AS Litovskaya SSR, Kaunas)

SUBMITTED: April 17, 1961

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Card 3/3

S/236/62/000/003/004/004  
D234/D308

24.57.00

AUTHORS:

Makaryavichyus, V.I., Zhyugzhda, I.I. and  
Zhukauskas, A.A.

TITLE:

Calculation of heat loss of curved surfaces  
in the case of laminar boundary layer

SOURCE:

Akademiya nauk Litovskoy SSR, Trudy. Seriya  
B, no. 3, 1962, 191 - 201

TEXT:

The heat loss coefficient is determined for  
a wedgeshaped body, introducing the angle coefficient  $\beta = 2\alpha/\alpha + 1$   
( $\alpha$  being Euler's number) and assuming a temperature distribution  
 $T_0 x^{\alpha}$ . The results are

$$\alpha(x)_{\alpha=0} = \frac{4}{3} \alpha(x)_{\alpha=0} \cdot \theta \frac{\Gamma(84/3) \Gamma(2/3)}{\Gamma(84/3 + 2/3)} \quad (15)$$

and

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Calculation of heat loss ..

S/236/62/000/003/004/004  
D234/D308

$$\alpha(x)_{\theta=1} = \frac{2}{3} \alpha(x)_{\theta=0} \cdot e^{-\frac{\Gamma(\frac{2}{3})\Gamma(\frac{2}{3})}{\Gamma(\frac{2}{3} + \frac{2}{3})}} \quad (16)$$

For bodies of arbitrary shape with constant temperature of the wall

$$Nu_x = 0.332 \chi(\theta) Re_x^{0.5} Pr^{0.333} + 0.067\beta - 0.026\beta^2 \quad (30)$$

with an accuracy of  $\pm 3\%$ , and if the surface temperature changes exponentially,

$$Nu_x = 0.332 \chi(\theta, \theta) Re_x^{0.5} Pr^{0.333} + 0.067\beta - 0.026\beta^2 \quad (33)$$

$\chi(\theta)$  is called the dynamical restoration coefficient,  $\chi(\theta, \theta)$  the universal restoration coefficient; both are plotted. The results are found to agree with experiments carried out by the authors on a plate in longitudinal flow. There are 5 figures

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S/236/63/000/001/008/015  
D251/D308

AUTHOR: Zhyugzhda, I. I. and Zhukauskas, A. A.

TITLE: Experimental investigation of local heat evolution in the intake section between two parallel plates

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B. no. 1, 1963, 117-124

TEXT: The authors give a survey of experimental and theoretical investigations of heat evolution in an intake section in the case of two parallel plates and in a circular pipe. The method of incomplete modeling was used to investigate local and mean heat evolution between two parallel plates of length 212 mm. A constant thermal flow was used, and the distances between the plates in different experiments were 50, 20, 10 and 4 mm. The fluids used were air, water and transformer oil where, in the usual terminology,  $Re_{fx}$  varied from 5 to  $1.2 \times 10^5$ ,  $Re_{fs}$  from 14 to  $3.8 \times 10^3$ ,  $Pr_j$  from 0.7 to 580. The full characteristics of the flows are

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Experimental investigation of ...

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D251/D308

presented in tabular forms, and the criterial equations

$$Nu_{fx} = 0.95 Re_{fx}^{0.5} Pr_f^{0.33} [x/s Re_{fs}]^{0.1} [Pr_f/Pr_w]^{0.25} \quad (2)$$

$$Nu_{fl} = 1.35 Re_{fl}^{0.5} Pr_f^{0.33} [1/s Re_{fs}]^{0.1} [Pr_f/Pr_w]^{0.25} \quad (3)$$

are established for the local and mean heat-emission respectively. The distance from the beginning of the intake is used as the defining dimension in the criterial equation in the local case and the length of the tube in the local case. The temperature of the plates varied exponentially. Comparison with the formulas of other authors gave deviations from +8 to -20% in the results. The formation of boundary layers in the intake part of a channel, and the effect of the pressure gradient of velocity on these layers is

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Experimental investigation of ... S/236/63/000/001/008/015  
D251/1508

shown (increase of these factors reduced the boundary layers). The parameter  $(x/sRe_{js})^{0.1}$ , where  $s$  is the distance between the plates and  $x$  the characteristic dimension is used to take into account the effect on local evolution of heat in the intake part. There are 4 figures and 1 table.

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk Litovskoy SSR (Institute of Power and Electrical Engineering of the AS Lithuanian SSR)

SUBMITTED: April 18, 1962

Card 3/3

USSR/Human and Animal Physiology. Nervous System.  
Higher Nervous System. Behavior.

T

Ab: Jour: Ref Zhur-Biol., No 20, 1958, 93669.

Author : Martsinkyavichyus, M., Zhyugzhda, Z.

Inst :

Title : Determination of the Type of the Nervous System.

Orig Pub: Sveikatos apsauga, 1958, No 1, 7 - 10.

Abstract: No abstract.

Card. : 1/1

ZHYURLIS, A.

6738. Zhyurlis, A. Ustav sel'skokhozyaystvennoy Arteli—osnovnoy zakon kol'khoznoy zhizni. Vil'nyus, Gospolitnauchizdat, 1954. 32 s. 22 sm. (0-v) po rasprostraneniyyu polit. i nauch. znaniy Litov. SSR). 5.000 ekz. 35 k. — Na Litov. yaz.—(55-2230) 338. IK. 02

SO: Knizhnaya Letopis' No. 6, 1955

ZHZHIN, N. Ye. inzhener

The ER-5 diesel-electric rotary ditch and trench excavator. Mekh.  
stroi. 12 no. 9:18-22 S'55.  
(Excavating machinery)

(MIRA 8:11)

SOCHAVA, A.V.; MARTINSON, G.G.; Prinimala uchastiye ZHZRNYL'SKAYA,  
G.I.

[Continental Cretaceous deposits of Fergana] Melovye konti-  
nental'nye otlozheniia Fergany. Moskva, Nauka, 1965. 153 p.  
(MIRA 18:10)

1. Akademiya nauk SSSR. Otdeleniye nauk o Zeme.



"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2"

ZIABICKI, A.

Distr: 4E2c(5)

Polymide resins. Instytut Włókien Sztucznych i Nylonu  
 (by A. Ziabicki and H. Mordoch). Pol. 37,616.  
 Feb. 15, 1968. Polyamide resins of various physicochem.  
 properties can be obtained from adipic acid or  $\beta$ -methyl-  
 adipic acid condensed with hexamethylenediamine or  
 $N$ -methylhexamethylenediamine substituted in 1-80%.  
 Materials for the production of fibers, films, and artificial  
 skins are obtained by changing the degree of methylation of  
 the raw materials. K. Bojanowska

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"APPROVED FOR RELEASE: 09/19/2001

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SECRET  
Strategic Studies Institute

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2"

ZIABICKI, Andrzej

Phenomena of molecular orientation occurring in the process of formation of fibers from molten polymers. Chemia stosow B 1 no.1:57-107 '64.

1. Department of Technical Physics of the Institute of General Chemistry, Warsaw. Submitted March 7, 1962.

TAKSIKMAN-KROZER, R.; ZIABICKI, A.

Certain problems of structural viscosity and thixotropy of  
diluted polymer solutions. Polimery tworzą wielk 8 no.6:  
236-237 Je '63.

1. Pracownia Fizyki Polimerów, Zakład Fizyki Technicznej,  
Instytut Chemii Organicznej, Warszawa.

ZIABICKI, A.

A. Ziabicki: "Titanium-Organic Polymeres" (Polimery Tytanoorganiczne), Wiadomosci Chemiczne, No. 11, Nov 55, pp 558-559.

ZIABICKI, A.

2

Modified polymers: A. Zinbicki. *Przemysl Chem.* 9,  
87-88 (1953) English. Review with 38 refer-  
ences. Gene A. Wozni

A-55

ZIABIŃSKI, Andrzej; TAKSĖRMAN-KROZER, Rachela

Formation and breakage of liquid threads. Pt. 3. Roczniki chemii 37  
no.12:1607-1616 '63.

1. Institute of General Chemistry, Department of Technical Physics,  
Warszawa-Zoliborz.



ZIABICKI, A.

Hydrodynamics of a free, steady-state jet subject to axial tension. Pt.4. Bul Ao Pol tech 12 no.12:925-931 '64.

1. Department of Technical Physics of the Institute of General Chemistry, Warsaw. Submitted October 5, 1964.

ZIABICKI, Andrzej

Research on the physical fundamentals of the forming of fibers (spinning) from melted polymers. Przem chem 41 no.8:441-446 Ag '62.

1. Zaklad Fizyki Technicznej, Instytut Chemii Ogolnej, Warszawa.

ZIABICKI, Andrzej

Mechanical phenomena in the spinning process from molten polymers. Chemia stosow 5 no.4:475-526 '61.

1. Instytut Chemii Ogolnej, Zaklad Fizyki Technicznej,  
Warszawa.

ZIABICKI, Andrzej; TAKSEMAN-KROZER, Rachela

Formation and breakage of liquid threads. Pts. 1-2. Roczniki chemii 37 no.11:1503-1518 '63.

1. Institute of General Chemistry, Department of Technical Physics,  
Warsaw-Zoliborz.

ZIABICKI, Andrzej; KEDZierska, Krystyna

Heat transfer in the process of fiber formation from molten polymers.  
Chemia stosow 4 no.2:151-181 '60. (EBAI 10:3)

1. Gorzowskie Zakladu Wlokien Sztucznych, Pracownia Fizyko-Chemiczna,  
Gorzow Wlkp. 2. Instytut Chemii Ogolnej, Warszawa 27 (for Ziabicki)  
(Heat) (Fibers) (Polymers and polymerization)

ZIABIKI, A.

Hydrodynamics of a free, steady-state jet subject to axial tension.  
Pt.3. Bul Ac Pol tech 12 no.11:821-828 '64.

1. Department of Technical Physics of the Institute of General  
Chemistry, Warsaw. Submitted July 7, 1964.

ZIABICKI, A.

Hydrodynamics of a free steady-state jet subject to axial tension. Pts.1-2. Bul Ac Pol tech 12 no.10:717-736 '64.

1. Department of Technical Physics of the Institute of General Chemistry, Warsaw. Submitted July 14, 1964.

S/081/62/CCQ/006/116/117  
B110/B101

AUTHOR: Ziabiicki, Andrzej

TITLE: Current problems of polymer crystal structure

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 738, abstract  
6R50 (Tworzywa wielkocząsteczkowe, v. 6, no. 4, 1961, 107-111)

TEXT: Fundamental problems of polymer structure were investigated: the thermodynamics and kinetics of crystallization, crystal polymer morphology, methods of investigating polymer structure and texture and their influence on the physical properties of polymers. 26 references. [Abstracter's note: Complete translation.]

Card 1/1



CA

Organic Chemistry - 10

Prepn. of *p*-phenylphenol. A. Zlatkevich, *Therm. Chem.*  
30, 619-61 (1951). - A lab. method is discussed for prepn.  
*p*-PhC<sub>6</sub>H<sub>4</sub>OH, based on the reaction of benzenechloride  
salts with phenol. 19 references. Frank Connel

POLAND/Chemical Technology. Chemical Products and Their  
Applications. Artificial and Synthetic Fibers.

K-4

Abs Jour: Ref. Zhur-Khimiya, No 1, 1958, 3242.

Author : Z. Ziabicki

Inst :                     

Title : X-ray Methods of Investigating Polymers and Synthetic  
Fibers.

Orig Pub: Przem. chem., 1957, 13, No 3, 143-149

Abstract: Review. 34-item bibliography.

Card : 1/1

COMMON ELEMENTS		PROCEDURES AND P-FOUNDED INDEX		COMMON VARIANTS INDEX	
<p>60</p> <p>Administrative standard of determination of activity in            the U.S.S.R. (M. K. Kozlov, 1958, 1961).            1958, 1961. — <u>REVIEW OF</u> N. Kozlov, in <u>Collected</u>, followed            by <u>U.S.S.R. 1958, 1961</u>, the <u>U.S.S.R.</u> (M. Kozlov, 1958, 1961)            into <u>U.S.S.R.</u> and the <u>U.S.S.R.</u> (M. Kozlov, 1958, 1961)            C. Ann.</p>		<p>B-7-10</p>			
<p>AS-11A METALLURGICAL LITERATURE CLASSIFICATION</p>					
<p>COMMON VARIANTS INDEX</p>					
<p>COMMON VARIANTS INDEX</p>					

Ammonia method of determination of acidity in tan liquors. S. ZIAHILIZADEH.  
*Vestnik Khimicheskoi Prom. i Torgov. 1931, 101.* Direct titration of the tan liquors  
 with alkali are never satisfactory because of general difficulties of obtaining a sharp  
 end point with weak org. acids; this condition is aggravated by the color of the tan  
 liquors and by partial pptn. of some indicators with the tans. The NH<sub>4</sub> method of  
 detn. of acidity in tan liquors was developed as follows: A known excess of 0.1 N  
 NaOH was run into an aliquot of the analytical soln. Then 5 cc of 20% NH<sub>4</sub>Cl soln.  
 was added and the ammonia liberated was distil. into excess of 0.1 N acid, methyl  
 orange being used as an indicator. The NaOH used was first consumed to neutralize  
 acidity of the tan liquor and second to decomp. NH<sub>4</sub>Cl. After the amt. of NH<sub>4</sub>Cl  
 decompd. is detd. acidity of the tan liquor is calcd. by difference. A. SALAMATOV

ZIABREVA, N. N.

Laboratory studies for course on "Tolerance and technical measurement."  
Moskva, Gosl nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 283 p.  
(54-18336)

TA165.25

L 44768-65

SWP(c)/SWP(A)/SWP(B) OF CENTRAL INTELLIGENCE (C) SWP(C) SWP(D) SWP(E) SWP(F) SWP(G) SWP(H) SWP(I) SWP(J) SWP(K) SWP(L) SWP(M) SWP(N) SWP(O) SWP(P) SWP(Q) SWP(R) SWP(S) SWP(T) SWP(U) SWP(V) SWP(W) SWP(X) SWP(Y) SWP(Z)

SOURCE: [illegible] NO. 12, 1961, 11-14

[illegible]

Orig. art. has 4 figures, and 2 tables.

ASSOCIATION: SMZ, Dubnica nad Vahom

SUBMITTED: 1964

ENCL: 10

FILE CODE: 100, 11

1964

ARTINGAI, Istvan, okleveles kohoszerkesztő; MIHAI, György, okleveles gépészmérnök

Defects of cylinder sleeves prepared through centrifugal casting and methods for eliminating them. Gép 16 no.10:385-392 0 1964.

1. Institute of Mechanical Technology, Budapest Technical University, Budapest.

L 01729-5 Po-4/Pq-6/Pc-4/Pl-4/S-4



"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2

Card

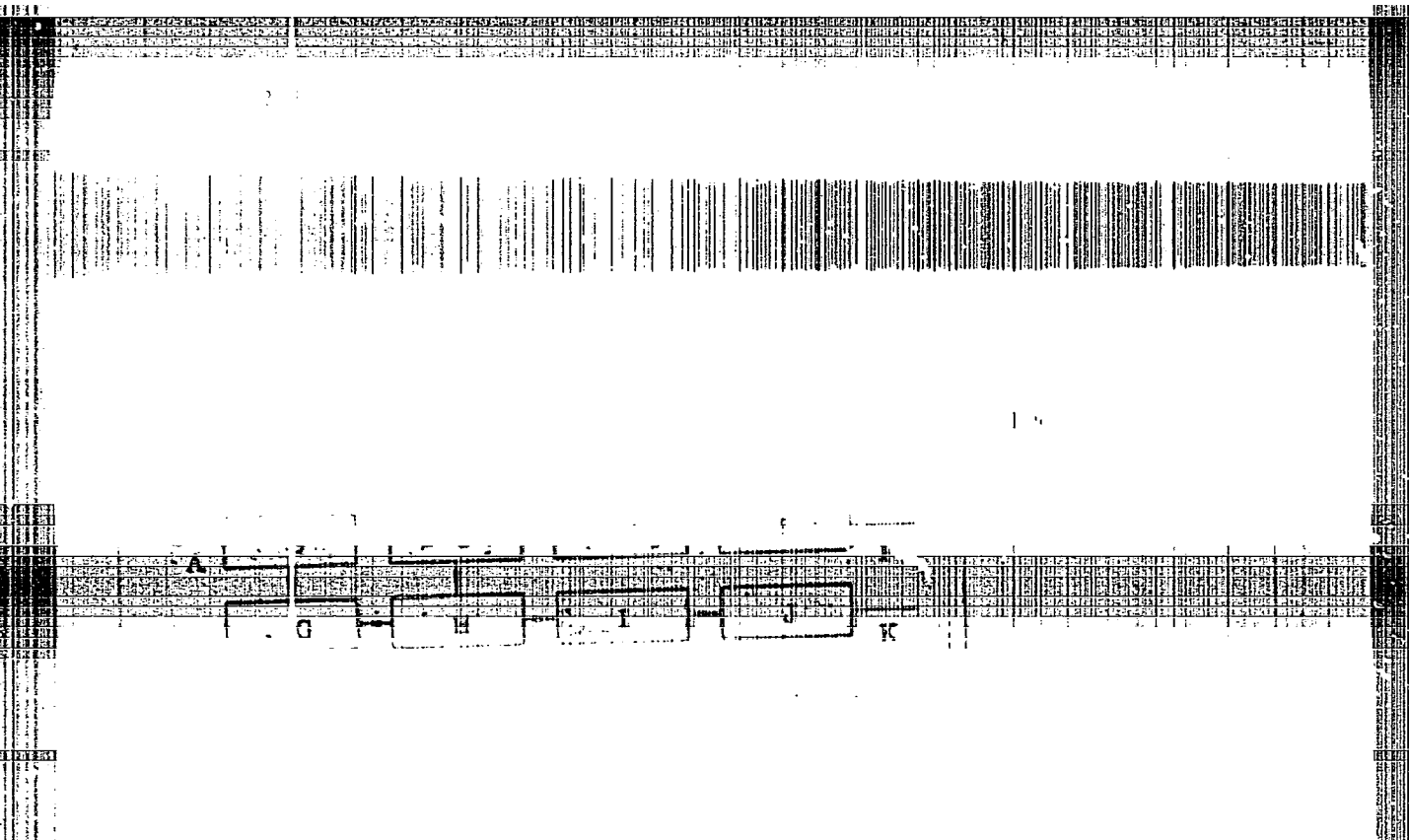
1/3

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APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110004-2"

Cord

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ZIAJA, OY.

Effect of tempering on the contraction work of aluminum. p. 157.

PERIODICA POLYTECHNICA. ENGINEERING. Budapest Hungary. Vol. 3. no. 2, 1959

Monthly list of East European Accessions (EEAI) LC. Vol. 8. no. 12, Dec. 1959  
Uncl.

CZECHOSLOVAKIA  
6 Oct 63

ZIAK, Anton \_\_\_\_\_

Engr, director, Directorate of Water Resources Development  
(Riaditelstvo Vodohospodarskeho Rozvoja) in  
Bratislava, interviewed by Praca about the preparations  
for the construction of Czechoslovak-Hungarian water  
works.

Praca, Bratislava, 6 Oct 63, p 1.

(1)

ARTES, A.E.; ZIAN, N.; NIKIFOROV, V.K.

Radioisotope devices for thickness control during automatic sheet-metal work. Kuz.-shtam. proizvod. 7 no.8:9-13 Ag '65. (MIRA 18:9)

LOMIZE, G.M., doktor tekhn.nauk, prof.; ZIANGIROV, R.S., kand.tekhn.nauk

Using electroacoustic piezodynamometers in the construction of  
the Flavinay Hydroelectric Power Station. Gidr.stroi. 32  
no.4:33-35 Ap '62. (MIRA 15:4)  
(Flavinay Hydroelectric Power Station) (Dynamometer)

ZILINGIROV, R.S.

Coefficient of electro-osmosis and some laws of electro-osmotic filtration in soils. Trudy MNI no.28:86-99 '56. (MIRA 10:6)  
(Soil stabilization)

*Ziangirov, R. S.*

124-1957-10-11810 D

Translated from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 89 (USSR)

AUTHOR: Ziangirov, R. S.

TITLE: The Electroosmosis Coefficient and Some Laws Concerning the Electroosmotic Filtration in the Soil (Koeffitsiyent elektroosmosa i nekotoryye zakonomernosti elektroosmoticheskoy fil'tratsii v gruntakh)

ABSTRACT: Bibliographic entry on the Author's dissertation for the degree of Candidate of Technical Sciences, presented to the Mosk. energ. in-t (Moscow Power Institute), Moscow, 1957.

ASSOCIATION: Mosk. energ. in-t (Moscow Power Institute), Moscow

Card 1/1



ZIANIROV, R.S.

Determining the coefficient of electroosmosis of soils in field  
testing. Osn. fund. 1 mekh. gran. 2 no.6:20-27 '60.

(MIRA 13:12)

(Electroosmosis)

(Soil mechanics)

ZIANGIROV, R.S.

Selection of methods for determining the specific gravity of soils.  
Izv. vys. ucheb. zav.; geol. i razv. 7 no.5:141-142 My '64.  
(MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet.

pressure is equal to zero) in a definite zone of the well. For the purpose of  
the operation of the pump, the flow of water being pushed out

----, because of electrolysis, and movement of the pore solution and its liberation near the cathode, due to electroosmosis. Both methods can be used together for reclamation (the use of water for reclamation).

SUBMITTED: 2106661

ENCL: 00

SLA CODE: ES

NO REF SOV: 007

OTHER: 00

Card 2/2

GONCHAROVA, L.V., kand. geol.-miner. nauk; ZIANGIROV, R.S., kand. geol.-  
miner. nauk

Practices in making seepage control screens from a mixture of  
sand with hydrated silicate-clay. Gidr. i mel. 16 no. 12:30-38  
D '64 (MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet.

CHZHAO TSZE-SAN' [Chao Chieh-san]; ZIANGIROV, R.S.

Seismoelectric effect of the second kind in disperse soils. Izv.  
AN SSSR. Fiz. zem. no.3:76-79 '65. (MIRA 18:7)

GONCHAROVA, L.V.; ZIANGIROV, R.S.

Practice in making firm antifiltration sand screens reinforced  
with carbamide resin. Vest. Mosk. un. Ser. 4: Geol. 20 no.6:  
65-74 N-D '65 (MIRA' 19:1)

1. Kafedra gruntovedeniya i inzhenernoy geologii Moskovskogo  
gosudarstvennogo universiteta. Submitted June 28, 1964.

ZIANC.IROVA, G.G.

Precancerous and cancerous diseases of the eyelids and conjunctiva.  
Vest.off. no.5:3-6 '62.  
(MIRA 15:12)

1. Moskovskaya glaznaya klinicheskaya bol'nitsa (nauchnyy  
rukovoditel' - zasluzhennyy deyatel' nauki prof. M.L.  
Krasnov, zav. gistologicheskoy laboratoriyey - kandidat  
meditsinskikh nauk V.M.Shepkalova).  
(EYELIDS--CANCER) (CONJUNCTIVA--CANCER)



KRASNCV, M.L., prof.; SIVOSHINSKIY, D.S., dotsent; ZIANGIROVA, G.G.;  
VYALOVA, Ye.V.; STEN'KO, Z.L.

Results of three year's use of radioactive isotopes in the  
diagnosis of intraocular tumors. Trudy TSIU 71:107-112 '64.  
(MIRA 18:6)

1. Kafedra glaznykh bolezney (zav. prof. M.L. Krasnov), kafedra  
meditsinskoy radiologii (zav. prof. V.K. Modestov) TSentral'nogo  
instituta usovershenstvovaniya vrachey i Moskovskaya glaznaya  
klinicheskaya bol'nitsa.

KRASNOV, M.L., prof.; SYVOUSHINSKIY, D.S., docent; BROVKINA, A.F.;  
ZIANGIROVA, G.G.

Results of radioisotopic diagnosis of tumors of the orbit.  
Trudy ISU 71:113-118 '64.

(MIRA 18:6)

1. Kafedra glaznykh bolezney (zav. prof. M.L. Krasnov) i kafedra  
meditsinskoy radiologii (zav. prof. V.K. Medvedev) TSentral'nogo  
instituta usovershenstvovaniya vrachey i Moskovskaya glaznaya  
klinicheskaya bol'nitsa.

ZIANI, P.

Science of plant associations, basis of modern forestry. p. 422.

SUMARSKI LIST. (Društvo sumarskih inženjera i tehničara FNR Jugoslavije)

Zagreb. Vol. 79, no. 11/12 Nov/Dec. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

ZIANI, P.

Yugoslavia (430)

Agriculture-Plant and Animal Industry

The importance of a system in planning  
forest improvement operations. p. 109.

SUMARSKI LIST. Vol. 75, no. 3-4, Mar.-Apr.  
1951.

East European Accessions List. Library of  
Congress. Vol. 2, no. 3, March 1953. UNCLASSIFIED